

## Recombinant Human SCG3 Protein

Catalog #	Source	Reactivity	Applications
CRP2239	Human cells	Human	E, WB, SDS-PAGE, MS

**Description** Recombinant Human SCG3 Protein is produced by our mammalian expression system and the target gene encoding Phe20-Leu468 is expressed with a 6His tag at the C-terminus.

**Form** Lyophilized from a 0.2  $\mu$ M filtered solution of 20mM PB, 150mM NaCl, pH 7.4.

**Gene Symbol** SCG3

**Alternative Names** Secretogranin-3; Secretogranin III; SgIII

**Entrez Gene** 29106 (Human)

**SwissProt** Q8WXD2 (Human)

**Purity** Greater than 95% as determined by reducing SDS-PAGE.

**Chemical Structure** FPKPGGSQDK SLHNRELSAE RPLNEQIAEA EEDKIKKTYP PENKPGQSNY SFVDNLNLLK AITEKEKIEK ERQSIRSSPL DNKLNVEDVD STKNRKLIDD YDSTKSGLDH KFQDDPDGLH QLDGTPLTAE DIVHKIAARI YEENDRAAFD KIVSKLLNLG LITESQAHTL EDEVAEVLQK LISKEANNYE EDPNKPTSWT ENQAGKIPEK VTPMAAIQDG LAKGENDETV SNTLTLTNGL ERRTKTYSED NFEELQYFPN FYALLKSIDS EKEAKEKETL ITIMKTLIDF VKMMVKYGTI SPEEGVSYLE NLDEMIALQT KNKLEKNATD NISKLPAPS EKSHEETDST KEEAAKMEKE YGSLKDSTKD DNSNPGGKTD EPKGKTEAYL EAIRKNIEWL KKHDKKGNKE DYDLSKMRDF INKQADAYVE KGILDKEEAE AIKRIYSSLV DHHHHHH

**Quality Control** Endotoxin: Less than 0.1 ng/ $\mu$ g (1 IEU/ $\mu$ g) as determined by LAL test.

**Directions for Use** Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100  $\mu$ g/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize

**Application key:** E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, CHIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

**Species reactivity key:** H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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# Product Data Sheet

freeze-thaw cycles.

## Storage/Stability

Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days.

Aliquots of reconstituted samples are stable at -20°C for 3 months.

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